

FLEXANE FL-20 PRIMER

MSDS Number

BLCNP

National Stock Number

8010-00N017784

Product Name

FLEXANE FL-20 PRIMER

Manufacturer

ITW DEVCON CORP

Product Identification

Product ID:FLEXANE FL-20 PRIMER

MSDS Date:12/19/1990

FSC:8010

NIIN:00N017784

MSDS Number: BLCNP

Responsible Party

ITW DEVCON CORP,

30 ENDICOTT ST

DANVERS , MA 01923-3753

US

Emergency Phone: 508-777-1100, CHEMTREC 800-424-9300

Info Phone: 508-777-1100

Cage: 16059

Contractor

DEVCON CORP

DANVERS, MA 01923-3753

US

1-508-777-1100

Cage: 16059

Ingredients

EXPOSED TO CHLOROCARBONS .

RTECS: 9999999ZZ

USUALLY SUFFICIENT.

RTECS: 9999999ZZ

(E.G. EPINEPHRINE) MAY BE CONTRAINDICATED EXCEPT FOR

RTECS: 9999999ZZ

ISOCYANIC ACID, METHYLENEDI-P-PHENYLENE ESTER; (METHYLENE

CAS: 101-68-8

RTECS: NQ9350000

Fraction By Weight:

OSHA PELC, 0.02 PPM

ACGIH TLV: 0.005 PPM

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

POLYPROPYLENE POLYOL DIPHENYL METHANE DIISOCYANATE

CAS: 9048-57-1

Fraction By Weight: 1-5%

ETHANE, 1,1,1-TRICHLORO-; (METHYL CHLOROFORM) (TCA) (SARA

CAS: 71-55-6

RTECS: KJ2975000

Fraction By Weight: >60%

OSHA PEL350 PPM;450 PPM STEL

ACGIH TLV: 350 PPM;450 PPM STEL

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

P-DIOXANE; (1,4-DIOXANE) (SARA III)

CAS: 123-91-1

RTECS: JG8225000

Fraction By Weight: 1-5%

OSHA PELS, 100 PPM

ACGIH TLV: S, 25 PPM; 9293

EPA Report Quantity: 100 LBS

DOT Report Quantity: 100 LBS

Hazards

LD50 LC50 Mixture:SEE INGREDIENT 3.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:ACUTE:EYE:SEV IRRIT; MAY CAUSE TRANSIENT CORNEAL INJURY. SKIN:MAY CAUSE IRRIT; ON PRLNG CONT, SOLV CAN CAUSE DERM BY DEFAT SKIN. INHAL:HIGH TCA CONCS (>1000 PPM) CAN CAUSE DIZZ & OTHER CNS EFTS. DIZZ, DROW & THROAT IRRIT CAN BE CAUSED BY TCA VAP CONC >1000 PPM (1/10 OF 1%). UNCON & DEATH ARE POSS FROM(EFTS OF OVEREXP)

Explanation of Carcinogenicity:P-DIOXANE:IARC GP2B (VOL7,P201,1987), NTP ANTICIP TO BE A CARCIN, 6TH ANN RPT, 1991.

Effects of Overexposure:HLTH HAZ:EXPOS >10,000 PPM. BLOOD PRESS DEPRESS, CARDIAC SENSIT & VENTRICULAR ARRHY (IRREG HEARTBEAT) CAN RSLT FROM EXPOS TO NEAR-ANESTH LEVELS. INGEST:MAY CAUSE GASTRIC IRRIT & SYMP LIKE THOSE OF INH AL; LIQ TCA DRAWN INTO LUNGS CAN CAUSE SEV DMG. CHRONIC:ISOCYANATES CAN CAUSE RESP &/OR SKIN SENSIT IN SOME (SUPDAT)

Medical Cond Aggravated by Exposure:ACUTE AND CHRONIC LIVER DISEASE AND HEART RHYTHM DISORDERS ARE REPORTED AGGRAVATED BY TCA.

First Aid

First Aid:EYE:FLUSH EYE W/CLEAN H*2O FOR AT LEAST 15 MIN WHILE GENTLY HOLDING EYELIDS OPEN. GET IMMED MD ATTN. SKIN:WASH THORO W/SOAP &

WARM WATER. CONSULT A PHYSICIAN IF IRRIT DEVELOPS. INHAL:REMOVE PATIENT TO FRESH AIR; GIVE OXYGEN IF BRTHG IS DIFFICULT. GET MD ATTN IF SYMPTOMS PERSIST. INGEST:GET MD ATTN. DO NOT INDUCE VOM; IF PATIENT VOMITS, KEEP HEAD BELOW HIPS TO PREVENT DRAWING FLUID INTO LUNGS.

Fire Fighting

Flash Point Method:TCC

Flash Point:NONE

Lower Limits:7.5

Upper Limits:15

Extinguishing Media:WATER, CO*2, DRY CHEMICAL

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED PRESSURE DEMAND SCBA AND FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:HEAT OF FIRE CAN CAUSE CLOSED CONTAINERS TO BURST VIOLENTLY. THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE HCL AND PHOSGENE .

Accidental Release

Spill Release Procedures:ABSORB SPILL ON INERT MATERIAL SUCH AS VERMICULITE: TRANSFER TO IMPERVIOUS CONTAINER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:STORE WELL CLSD IN COOL, DRY PLACE. ISOCYANATES REACT SLOWLY W/WATER TO RELS CARBON DIOXIDE & BUILDUP OF GAS PRESS COULD BURST CLSD CNTNR.

Other Precautions:KEEP MOISTURE & WATER FROM CONTAM PRIMER. NO SMOKING IN AREA OF USE. DO NOT USE IN GEN VICIN OF ARC WELDING, OPEN FLAMES OR HOT SURFACES. HEAT &/OR UV RADIATION MAY CAUSE FORMATION OF HCL &/OR PHOSGEN E .

Exposure Controls

Respiratory Protection:NONE REQUIRED IN NORMAL USE W/GOOD VENTILATION. IN CASES OF USE IN POORLY VENTILATED AREAS &/OR AT ELEVATED TEMPERATURES A NIOSH/MSHA APPROVED AIR SUPPLYING RESPIRATOR SHOULD BE WORN.

Ventilation:PROVIDE VENT SUFFICIENT TO KEEP ISOCYANATE VAP BELOW TLV. LOC EXHST IS REC FOR CONFINED AREAS. GEN MECH VENT (ING 7)

Protective Gloves:CHEMICAL RESISTANT RUBBER GLOVES.

Eye Protection:CHEM WORK GOG W/FULL LGTH FCSHLD

Other Protective Equipment:PROTECTIVE GEAR AS REQUIRED TO PREVENT SKIN CONTACT.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

EFTS OF OVEREXP:PEOPLE, ESP AFTER PRLNG/RPTD OVEREXP. CHRONIC OVEREXP TO TCA MAY HARM LIVER. NOTE:THIS FORMULATION WAS TESTED IN LONG TERM ANIMAL STUDIES & DID NOT CAUSE CANCER. CHLOROCARBON MATLS HAV E PRDCD SENSIT OF MYOCARDIUM TO EPINEPHRINE IN LAB ANIMALS & COULD HAVE SIM EFTS IN HUMANS. ADRENOMIMETICS (ING 5)

Chemical Properties

HCC:N1

Boiling Pt:B.P. Text:165F,74C

Vapor Pres:100 AT 68F

Vapor Density:4.5

Spec Gravity:1.32

pH:7

Evaporation Rate & Reference:>1 (BUTYL ACETATE=1)

Solubility in Water:Appearance and Odor:MOBILE, ORANGE LIQUID WITH ETHER-LIKE SOLVENT ODOR.

Percent Volatiles by Volume:>60

Stability

Stability Indicator/Materials to Avoid:YES

STRONG BASES, ALCOHOLS. CONTAMINATION WITH WATER MAY CAUSE PRESSURE BUILDUP. DO NOT STORE IN ALUMINUM.

Stability Condition to Avoid:OPEN FLAME OR HIGH TEMPERATURES, WHICH MAY

INDUCE THERMAL DECOMPOSITION.

Hazardous Decomposition Products:HYDROGEN CHLORIDE, OXIDES OF CARBON & NITROGEN, TRACES OF PHOSGENE, CHLORINE, HCN.

Disposal

Waste Disposal Methods:TCA IS A RCRA-LISTED HAZARDOUS WASTE. DISPOSE OF AS HAZARDOUS WASTE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

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